

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/019,341 A
Source: 1FW16
Date Processed by STIC: 6/25/5

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/25/2005

PATENT APPLICATION: US/10/019,341A

TIME: 14:05:41

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Output Set: N:\CRF4\05252005\J019341A.raw

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3 <110> APPLICANT: Amsterdam Molecular Therapeutics B.V. (AMT)
4     The University of British Columbia
5     Academic Hospital at the University of Amsterdam
7 <120> TITLE OF INVENTION: LPL Variant Therapeutics
9 <130> FILE REFERENCE: 80021-185
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/019,341A
C--> 12 <141> CURRENT FILING DATE: 2002-05-03
14 <150> PRIOR APPLICATION NUMBER: EP99202048.7
15 <151> PRIOR FILING DATE: 1999-06-24
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 446
23 <212> TYPE: PRT
24 <213> ORGANISM: Homo sapiens
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31           20           25           30
33 Val Ala Glu Ser Val Ala Thr Cys His Phe Asn His Ser Ser Lys Thr
34           35           40           45
36 Phe Met Val Ile His Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp
37           50           55           60
39 Val Pro Lys Leu Val Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn
40   65           70           75           80
42 Val Ile Val Val Asp Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val
43           85           90           95
45 Ser Ala Gly Tyr Thr Lys Leu Val Gly Gln Asp Val Ala Arg Phe Ile
46           100          105          110
48 Asn Trp Met Glu Glu Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu
49           115          120          125
51 Leu Gly Tyr Ser Leu Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu
52           130          135          140
54 Thr Asn Lys Lys Val Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro
55 145           150           155           160
57 Asn Phe Glu Tyr Ala Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala
58           165           170           175
60 Asp Phe Val Asp Val Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg
61           180           185           190
63 Ser Ile Gly Ile Gln Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn
64           195           200           205
66 Gly Gly Thr Phe Gln Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val

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70 225      230      235      240
72 His Glu Arg Ser Ile His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu
73      245      250      255
75 Asn Pro Ser Lys Ala Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys
76      260      265      270
78 Gly Leu Cys Leu Ser Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr
79      275      280      285
81 Glu Ile Asn Lys Val Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys
82      290      295      300
84 Thr Arg Ser Gln Met Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile
85 305      310      315      320
87 His Phe Ser Gly Thr Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu
88      325      330      335
90 Ile Ser Leu Tyr Gly Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr
91      340      345      350
93 Leu Pro Glu Val Ser Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr
94      355      360      365
96 Glu Val Asp Ile Gly Glu Leu Met Leu Lys Leu Lys Trp Lys Ser
97      370      375      380
99 Asp Ser Tyr Phe Ser Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala
100 385      390      395      400
102 Ile Gln Lys Ile Arg Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile
103      405      410      415
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113 <211> LENGTH: 475
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115 <213> ORGANISM: Homo sapiens
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124 Asp Phe Ile Asp Ile Glu Ser Lys Phe Ala Leu Arg Thr Pro Glu Asp
125 35 40 45
127 Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly Val Ala Glu Ser Val
128 50 55 60
130 Ala Thr Cys His Phe Asn His Ser Ser Lys Thr Phe Met Val Ile His
131 65 70 75 80
133 Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp Val Pro Lys Leu Val
134 85 90 95
136 Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn Val Ile Val Val Asp
137 100 105 110
139 Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val Ser Ala Gly Tyr Thr

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145 Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu Leu Gly Tyr Ser Leu
146 145          150          155          160
148 Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu Thr Asn Lys Lys Val
149          165          170          175
151 Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro Asn Phe Glu Tyr Ala
152          180          185          190
154 Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala Asp Phe Val Asp Val
155          195          200          205
157 Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg Ser Ile Gly Ile Gln
158          210          215          220
160 Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn Gly Gly Thr Phe Gln
161 225          230          235          240
163 Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val Ile Ala Glu Arg Gly
164          245          250          255
166 Leu Gly Asp Val Asp Gln Leu Val Lys Cys Ser His Glu Arg Ser Ile
167          260          265          270
169 His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu Asn Pro Ser Lys Ala
170          275          280          285
172 Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys Gly Leu Cys Leu Ser
173          290          295          300
175 Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr Glu Ile Asn Lys Val
176 305          310          315          320
178 Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys Thr Arg Ser Gln Met
179          325          330          335
181 Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile His Phe Ser Gly Thr
182          340          345          350
184 Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu Ile Ser Leu Tyr Gly
185          355          360          365
187 Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr Leu Pro Glu Val Ser
188          370          375          380
190 Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr Glu Val Asp Ile Gly
191 385          390          395          400
193 Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser Asp Ser Tyr Phe Ser
194          405          410          415
196 Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala Ile Gln Lys Ile Arg
197          420          425          430
199 Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile Phe Cys Ser Arg Glu
200          435          440          445
202 Lys Val Ser His Leu Gln Lys Gly Lys Ala Pro Ala Val Phe Val Lys
203          450          455          460
205 Cys His Asp Lys Ser Leu Asn Lys Lys Ser Gly
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209 <210> SEQ ID NO: 3
210 <211> LENGTH: 448
211 <212> TYPE: PRT
212 <213> ORGANISM: Homo sapiens

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214 <400> SEQUENCE: 3

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215 Ala Asp Gln Arg Arg Asp Phe Ile Asp Ile Glu Ser Lys Phe Ala Leu
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218 Arg Thr Pro Glu Asp Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly
219 20 25 30
221 Val Ala Glu Ser Val Ala Thr Cys His Phe Asn His Ser Ser Lys Thr
222 35 40 45
224 Phe Met Val Ile His Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp
225 50 55 60
227 Val Pro Lys Leu Val Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn
228 65 70 75 80
230 Val Ile Val Val Asp Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val
231 85 90 95
233 Ser Ala Gly Tyr Thr Lys Leu Val Gly Gln Asp Val Ala Arg Phe Ile
234 100 105 110
236 Asn Trp Met Glu Glu Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu
237 115 120 125
239 Leu Gly Tyr Ser Leu Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu
240 130 135 140
242 Thr Asn Lys Lys Val Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro
243 145 150 155 160
245 Asn Phe Glu Tyr Ala Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala
246 165 170 175
248 Asp Phe Val Asp Val Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg
249 180 185 190
251 Ser Ile Gly Ile Gln Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn
252 195 200 205
254 Gly Gly Thr Phe Gln Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val
255 210 215 220
257 Ile Ala Glu Arg Gly Leu Gly Asp Val Asp Gln Leu Val Lys Cys Ser
258 225 230 235 240
260 His Glu Arg Ser Ile His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu
261 245 250 255
263 Asn Pro Ser Lys Ala Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys
264 260 265 270
266 Gly Leu Cys Leu Ser Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr
267 275 280 285
269 Glu Ile Asn Lys Val Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys
270 290 295 300
272 Thr Arg Ser Gln Met Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile
273 305 310 315 320
275 His Phe Ser Gly Thr Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu
276 325 330 335
278 Ile Ser Leu Tyr Gly Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr
279 340 345 350
281 Leu Pro Glu Val Ser Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr
282 355 360 365
284 Glu Val Asp Ile Gly Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser
285 370 375 380

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287 Asp Ser Tyr Phe Ser Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala
 288 385 390 395 400
 290 Ile Gln Lys Ile Arg Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile
 291 405 410 415
 293 Phe Cys Ser Arg Glu Lys Val Ser His Leu Gln Lys Gly Lys Ala Pro
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303 <210> SEQ ID NO: 4

304 <211> LENGTH: 2565

305 <212> TYPE: RNA

306 <213> ORGANISM: Homo sapiens

308 <400> SEQUENCE: 4

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311 ccccagaggg acgcgccccg agaggagagc aaagcccggc ggcgaccggc cggggcccgag 180
312 agcgaccgcc ccgcgagagg ggggcccggc ccgaccaaag aagagaacga cacgaaagaa 240
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314 caccgcacaa cacagcagca aaaccaggg accaggcgga cggaacagga agagagaggg 360
315 ggccaaaacg ggccgcccga caagagagaa ccagacccaa gcagggggac ggcgacggg 420
316 ccaggagcaa ccaggccgc gggcacacca aacgggggac aggaggggcc ggacaacgga 480
317 ggaggaggag aacaccccgg acaagccacc gggaacagcc ggagcccagc gcggcagcag 540
318 gaagcgacca aaagaaagca acagaaacgg ccgaccagc ggaccaacga gacgagaagc 600
319 ccgagcgccc ccgagagcag agagacgcac acacacacca gagggccccg gcgaagcagg 660
320 aaccagaaac caggggcagg acaacccgaa ggaggaccag ccaggagaac aggagaagca 720
321 ccgcgagaga gagagaggac ggagagggac cagcaggaag gccccacgag cgccacacc 780
322 cagcaccggg aagaagaaaa ccaagaaggc cacaggggcag ccaaggaaag cgagaaaggg 840
323 ccgcgaggag aaagaaccgc gcaacaacgg gcagagacaa aaagcagagc caaaagaagc 900
324 agcaaaagac cgaagaccgc cagagcccac aaagcccaac caagaaagac acgggacgag 960
325 aggaaaccca accaacaggc cgagaccgag gcaccggggc gagaggagaa caccacacc 1020
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339 gggcagaaaa aaaaaagaac cgaaaaagac ccaagacac aaaaaacaca aacgacagac 1860
340 ccagaggcac cggcagccag gaccagggc ccgcccgcga cagaaaagaa gggagcaaag 1920
341 cagggagcca cagaagacaa ggaccgacaa gaaaaggggg agaggccggg gggaccaagc 1980
342 aggcgaacc acgcggcaag agccagagga gaccagaggg gaggaacaac aacaagagga 2040
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344 ggcaagcggg aaccgcagcg aaagaggaac gaacacaaca gaaagccgca ggggcccagc 2160

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/25/2005
PATENT APPLICATION: US/10/019,341A TIME: 14:05:42

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\05252005\J019341A.raw

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The rules require that a line not exceed 72 characters in length. This includes spaces.

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/019,341A

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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date